

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1(currently amended). A release agent for producing non-substrate liquid crystal display element without substrate, comprising

(a) 2-20 wt% of compounds selected from the group consisting of silicone, fluorine compounds and mixtures thereof; and

(b) ~~0.5-30 wt% (based on the weight of (a))~~ 0.01-6 wt% of release modifier;

(c) 74-97.99 wt% of solvents

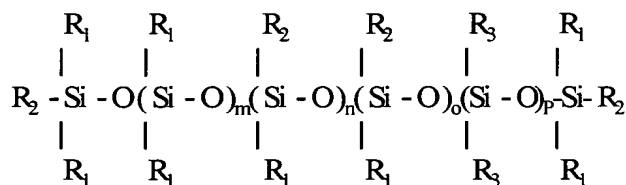
~~wherein the release agent is applied to the assisting substrates in the process of non-substrate liquid crystal display, so the assembled liquid crystal display element can be separated from the assisting substrates and a liquid crystal display element is acquired.~~

2(currently amended). The release agent for ~~non-substrate liquid crystal display element~~ according to Claim 1, wherein said release agent comprises (a) 3-7 wt% of compounds selected from the group consisting of silicone, fluorine compounds and mixtures thereof; and (b) ~~3-20 wt% (based on the weight of (a))~~ 0.09-1.4 wt% of release modifier.

3(currently amended). The release agent for ~~non-substrate liquid crystal display element~~ according to Claim 1, wherein said release modifier is silicone release modifier.

4(currently amended). The release agent for ~~non-substrate liquid crystal display element~~ according to Claim 3, wherein said silicone release modifier is a silicone compound having the following linear molecular structure:

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(I)

wherein R_1 is C1-3 alkyl; R_2 is hydrogen atom, C1-3 alkyl or C2-10 alkenyl; R_3 is C1-3 alkyl or phenyl; said silicone compound has molecular weight of 3,500 ~ 30,000; when calculated by molecular weight, $(-Si(R_1)(R_1)O-)_m$ accounts for 60 ~ 85 ~ 95% of silicone compound, $(-Si(R_1)(R_2)O-)_n$ accounts for 0 ~ 40 ~ 5%, $(-Si(R_1)(R_2)O-)_o$ accounts for 0 ~ 40 ~ 5%, and $(-Si(R_3)(R_3)O-)_p$ accounts for 0 ~ 40 ~ 5%.

5(currently amended). The release agent for ~~non-substrate liquid crystal display element~~ according to Claim 4, wherein R_1 is ~~methanyl~~ methyl.

6(currently amended). The release agent for ~~non-substrate liquid crystal display element~~ according to Claim 4, wherein R_2 is hydrogen atom, vinyl or ~~methanyl~~ methyl.

7(currently amended). The release agent for ~~non-substrate liquid crystal display element~~ according to Claim 4, wherein R_3 is ~~methanyl~~ methyl or phenyl.

8-10(canceled).

11(currently amended). The release agent for ~~non-substrate liquid crystal display element~~ according to Claim 1, wherein said release agent further comprises a catalyst which includes platinum catalyst, sulfuric acid, hydrochloride acid, or acetic acid.

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12-14(canceled).

15(currently amended). The release agent for ~~non-substrate liquid crystal display element~~ according to Claim 1, wherein said assisting substrates comprise glass, wafer, Teflon, ceramic or polymer substrate.

16(currently amended). The release agent for ~~non-substrate liquid crystal display element~~ according to Claim 1, wherein said ~~silicon~~ silicone is a ~~silicon~~ silicone polymer ~~comprises~~ comprising Si-H and Si-CH=CH₂ with molar ratio of Si-H to Si-CH=CH₂ between 1.2 and 4.8 and molecular weight between 100,000 and 1,000,000.

17(currently amended). The release agent for ~~non-substrate liquid crystal display element~~ according to Claim 16, wherein said ~~silicon~~ silicone is a ~~silicon~~ silicone polymer ~~comprises~~ comprising Si-H and Si-CH=CH₂ with molar ratio of Si-H to Si-CH=CH₂ between 2.0 and 3.5 and molecular weight between 300,000 and 700,000.

18(canceled).